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00240076aa

Amendment dated 01/28/2004

Reply to office action mailed 10/28/2003

The following is a complete listing of all claims in the application, with an indication of the status of each:

**Listing of claims:**

- b3
- 1 1. (currently amended) A method of encryption of a data file transmitted to a  
2 decoder, said method comprising steps of  
3 defining a write order of data blocks of said data file to non-sequential  
4 storage locations of a mass memory,  
5 storing said data blocks in said mass memory in accordance with said  
6 write order and updating a table corresponding to said non-sequential storage  
7 locations,  
8 encrypting the table with a key unique to the decoder, forming an  
9 encrypted table, and  
10 storing said encrypted table to said mass memory.
  - 1 2. (original) A method as recited in claim 1 wherein said mass memory is a  
2 hard disk drive.
  - 1 3. (original) A method as recited in claim 1 wherein said mass memory is a  
2 compact disk recorder/player.
  - 1 4. (currently amended) A method as recited in claim 1, wherein said updating  
2 in ~~a file allocation~~ said table is performed in accordance with a second key.
  - 1 5. (currently amended) A method as recited in claim 4, wherein said ~~encrypting~~  
2 encrypting step is performed in accordance with a third key.

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- 1 6. (currently amended) A method as recited in claim 4, wherein said ~~first and~~  
2 key and said second keys are identical.
- 1 7. (currently amended) A method as recited in claim 5, wherein said second  
2 and third keys are identical.
- 1 8. (currently amended) A method as recited in claim 5, wherein said ~~second~~  
2 and key and said third keys are identical.
- 1 9. (currently amended) A method as recited in claim 1, including the further  
2 steps of  
3 loading a portion of said data file, as blocks of data, into a memory  
4 queue,  
5 setting a counter in accordance with a number of blocks in said memory  
6 queue, and  
7 performing said step of defining a write order in accordance with said  
8 counter.
- 1 10. (original) A method as recited in claim 1, wherein said data file contains  
2 audio and video data, said method including the further step of  
3 separating audio and video into respective data blocks.
- 1 11. (previously presented) A method as recited in claim 1, wherein said data  
2 blocks include headers, said method including the further step of  
3 including said write order in said header.
- 1 12. (original) A method as recited in claim 1, including a further step of

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2 transmitting encryption software for performing said encryption of said  
3 data file to said decoder.

1 13. (original) A method as recited in claim 12, wherein said encryption  
2 software includes said first key.

1 14. (previously presented) A decoder for receiving a digital transmission of a  
2 data file including

3 means for defining a write order of data blocks of said data file to non-  
4 sequential storage locations of a mass memory,

5 means for storing said data blocks in memory in accordance with said  
6 write order and updating a table,

7 means for encrypting the table with a key unique to the decoder,  
8 forming an encrypted table, and

9 means for storing said encrypted table to said mass memory.

1 15. (currently amended) A decoder as recited in claim 14, wherein said  
2 means for storing said data ~~utilizes~~ utilizes a second key and said means for  
3 ~~encrypting~~ encrypting the ~~file allocation~~ table utilizes a ~~third~~ third key.

1 16. (original) A decoder as recited in claim 15, wherein two of said first,  
2 second and third keys are identical.

1 17. (currently amended) A decoder as recited in claim 14, further including  
2 means for loading a portion of said data file, as blocks of data, into a  
3 memory queue, and

4 means for setting a counter in accordance with a number of blocks in  
5 said memory queue

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6 wherein said means for defining a write order is responsive to said  
7 counter.

1 18. (currently amended) A decoder as recited in claim 14, wherein one of said  
2 first key, said second key and said third keys-key is not shared with any other  
3 device.

1 19. (original) A decoder as recited in claim 14, further including  
2 means for receiving encryption software for encrypting said data file.

1 20. (original) A decoder as recited in claim 14, further including a port to an  
2 outboard mass storage device.

1 21. (previously presented) A method as recited in claim 1, wherein said table  
2 and said encrypted table are a file allocation table and an encrypted file  
3 allocation table, respectively.

1 22. (previously presented) A method as recited in claim 1, wherein said  
2 defining step is performed in accordance with a first key and allocates  
3 corresponding sectors of said mass memory.

1 23. (previously presented) A decoder as recited in claim 14, wherein said  
2 table and said encrypted table are a file allocation table and an encrypted file  
3 allocation table, respectively.

1 24. (previously presented) A decoder as recited in claim 14, wherein said  
2 means for defining a write order is performed in accordance with a first key  
3 and includes means for allocating corresponding sectors of said mass memory.

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1 25. (currently amended) A method of protecting streaming data stored in a  
2 storage device by a decoder, the method comprising steps of:  
3 writing streaming data in data blocks in a memory,  
4 scrambling the write order of the data blocks containing streaming data  
5 when storing the data blocks containing the streaming data ~~when storing the~~  
6 ~~data blocks of streaming data~~ in the storage device,  
7 creating a table describing the scrambling order of the data blocks of  
8 streaming data in the storage device, and  
9 encrypting the table with a key unique to the decoder and storing the  
10 encrypted table in the storage device.

1 26. (previously presented) A method as recited in claim 25, wherein said  
2 memory is a random access memory.

1 27. (previously presented) A method as recited in claim 25, wherein said table  
2 is a file allocation table.

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